SYSTEM AND METHOD FOR TUNING A RAW MIX PROPORTIONING CONTROLLER

ABSTRACT OF THE DISCLOSURE

A system and method for tuning a raw mix proportioning controller used in a cement plant. A fuzzy logic supervisory controller tracks the performance of a cement plant simulator to target set points for attaining a correct mix and composition of raw materials. A genetic algorithm adjusts the fuzzy logic supervisory controller's performance by adjusting its parameters in a sequential order of significance.

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